单页140x64mm 展开140x320mm

TY09

TPMS

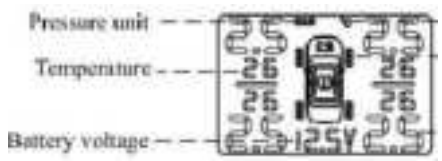
Tire Pressure Monitor Instructions

I.Car Cigarette Lighter Model Functions

1.Real-time detection of tire pressure and temperature to ensure safe driving.
2Car battery monitoring.
3.Alarm for air leakage,pressure and temperature exceeded.
4.Display screen under backlight,four levels,adjustable brightness.
5.Dual display and audible alert alarms.
6.Alarm values of tire pressure and temperature can be set.
7.Interchangeable tire positions
8.Pressure and temperature of the four wheels can be displayed simultaneously.

(Note:This system can effectively monitor the tire pressure and temperature,but cannot prevent unexpected accidents, and the company willnot be responsible for any direct or indirect losses caused by damages to the product.)

II.Display Image of Car Cigarette Lighter Model

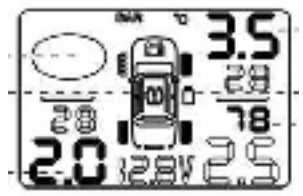


--Temperature unit
-Tire position icon
—Pressure value

Remarks:Short press the"+"key in standby mode to cycle the backligh brightness

II.Alarm Illustration of Car Cigarette Lighter Model

1.Sensor failure:
2.Air leak(low pressure)alarm:
3.High pressure alarm:
4.High temperature alarm:
5.Sensor low battery alarm



Left front wheel sensor failure-Flashing-
air leakage(low pressure) Flashing alarm -
High pressureflashing alarm
Low sensor power
High temperature flashing alarm

Note:Short press the"+"key in standby mode to cycle the backlight brightness

IV.Car Cigarette Lighter Model Parameter Setting

1.Enter the setting:Press and hold the "_"key for 3 seconds and then release to enter setting mode.Short pressthe "-"key to cycle through **Bar/Psi** →temperature unit °C/PF→upper pressure limit PH→lower presure limit PL→upper temperature limit TH,respectively."+"key is used to adjust the parameters,press and hold the"-"key for 3 seconds after the adjustment i finished to save the parameters and exit.

(Note:Under the setting mode,if no operation is performed within 3 minutes,the system will automatically exit the setting mode)

2.Upper pressure limit setting:Under the upper pressure limit PH setting state,the upper pressure limit value fashes,press the"+"key to adjust the upper pressure limit value,long press the "_"key for 3 seconds to save and exit (upper adjustable range:0.6-6.0 Bar,factory default value: 3.5Bar).

3.Lower pressure limit setting:Under the lower pressure limit PH setting state,the lower pressure limit value fashes,pressthe "+"key to adjust the lower pressure limit value,long press the"_"key for 3 seconds to save and exit(lower adjustable range:0.5-5.9 Bar,factory default value:1.8 Bar).

(Note:When setting the upper (lower)limit value,the lower pressure limit cannot be higher than the upper pressure limit to be set.)

4.Upper temperature limit setting:Under the upper temperature limit setting state,the temperature alarm value flashes,press the "+"key to adjust the temperature range,long press the "_"key for 3 seconds to save and exit.(Note:adjustable range:50-99°°C,factory setting parameters:68°C)

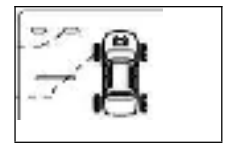
5.Pressure unit setting:Under the Bar/Psi seting status,Bar or Psi flashes,press"+"key to select pressure unit,long press"-"key for3 seconds to save and exit.(Factory default value Bar):

6.Temperature unit etting:Under the C/under setting state,°Cor Ffashes,press"+"key to select temperature unit,long press"-"key for 3 seconds to save and exit.(Factory default value°C)

V.Sensor-Display Pairing

1.Pairing mode:Press and hold the "+"key for 3 seconds,the buzzer BI means the pairing mode,the lef front wheel fashes and the interface will be displayed as below.

Flashing.---------



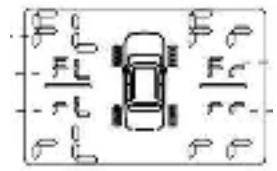
2.Tire pairing:After entering the pairing mode,short press"+"key to select the tire to be paired,then add air to the tire to be paired or screw the sensor to be paired to the air nozzle,the display will receive the signal and "--"will become the pressure value,indicating that the tire is paired successfully,press"+"to select the next tire to be paired,press and hold the "+"key to save and exit after all the pairing is done.

Pairing succeeded·----

VI.Tire swap

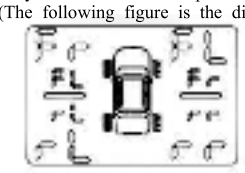
1.Tire swap model Press the"-"key 10 times continuously,the buzzer BI means the tire swap mode,"FL"flashing as shown below.

Left front wheel flashing---
Left front wheel fixed number -
Left rear wheel fixed number·--



--Right front wheel fixed number
-Right rear wheel fixed number

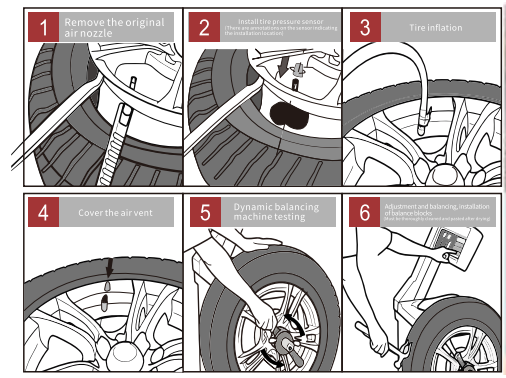
2.Swap tires:After entering the swap mode,short press"-"key to select the first tire to swap,make it flash,press"+"key to adjust the second tire number to swap,then press"-"key to confirm the swap after the two tire numbers can be swapped over,and finally long press"-"key to save and exit.(The following figure is the display of the left front wheel and the right front wheel after swapping)



VII. Tire Pressure Technical Parameters

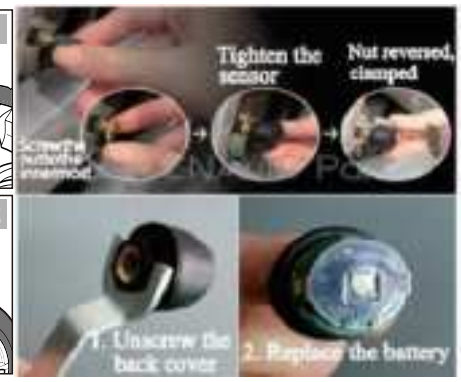
Project \ Component		External sensor	Inner sensor	display
Operating frequency		433.9200MHz±0.1MHz		
operating voltage		3V	3V	5V-12V
Operating current		Quiescent current≤1.5μA	Quiescent current≤1.5μA	Operating current:50~70mA
		Operating curent≤15MA	Operating current≤15MA	
Work environment	Temperature	-20℃~+80℃	-40° ℃~+120℃	-40° ℃~+70℃
Monitoring range	Temperature	-40° ℃~+120℃		
	Air pressure	0Bar-+4Bar		
Accuracy	Temperature	±2℃		
	Air pressure	±0.1bar		

Sensor Installation



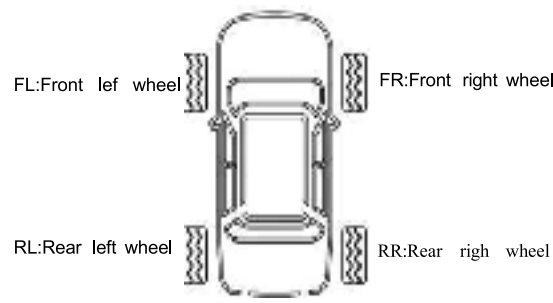
Inner installation steps

External installation steps



External battery replacement steps

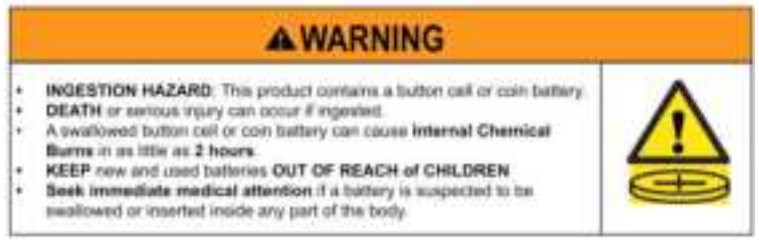
VIII.Please Instalthe Sensor In The Correet Position



FCC ID:2BDZM-TY09
FCC Statement
Any changes or modifications not expressly approved by the party responsible for compliance could void
the
user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired
operation.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device,
pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against
harmful
interference in a residential installation. This equipment generates, uses, and can radiate radio frequency
energy, and if not installed and used in accordance with the instructions, may cause harmful interference to
radio communications. However, there is no guarantee that interference will not occur in a particular
installation. If this equipment does cause harmful interference to radio or television reception, which can be
determined by turning the equipment off and on, the user is encouraged to try to correct the interference
by
one or more of the following measures:
–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.
*RF warning for Mobile device:
This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This
device
should be installed and operated with minimum distance 20cm between the radiator & your body.

Warning：
Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children, Do NOT dispose of batteries in household trash or incinerate.
The nominal battery voltage.(Battery Type:CR1632, Voltage:3V)
Even used batteries may cause severe injury or death.
Call a local poison control center for treatment information.
Non-rechargeable batteries are not to be recharged.
Do not force discharge, recharge, disassemble, heat above (70°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
Ensure the batteries are installed correctly according to polarity (+ and -).
Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
Always completely secure the battery compartment. if the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Packaging Marking – Warning: Contains coin battery


WARNING
INGESTION HAZARD: This product contains a button cell or coin battery
DEATH or serious injury can occur if ingested.
A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
KEEP new and used batteries OUT OF REACH of CHILDREN
Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body